

# APPLICATION

PERCOLATION TESTING

A 0110955

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Diets/ Shifflet Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 12118 Frederick Rd

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

13  
COUNTY #

SOIL PROFILE

0'  
6'  
6'  
8'  
13'

Topsoil  
strong Brn  
weak yellow  
brn  
Micaceous  
SCL Lm

Excessive  
Rock  
Frag 25-35%  
Micaceous  
brn SAND

mottled w/  
Mica  
WATER

(26)

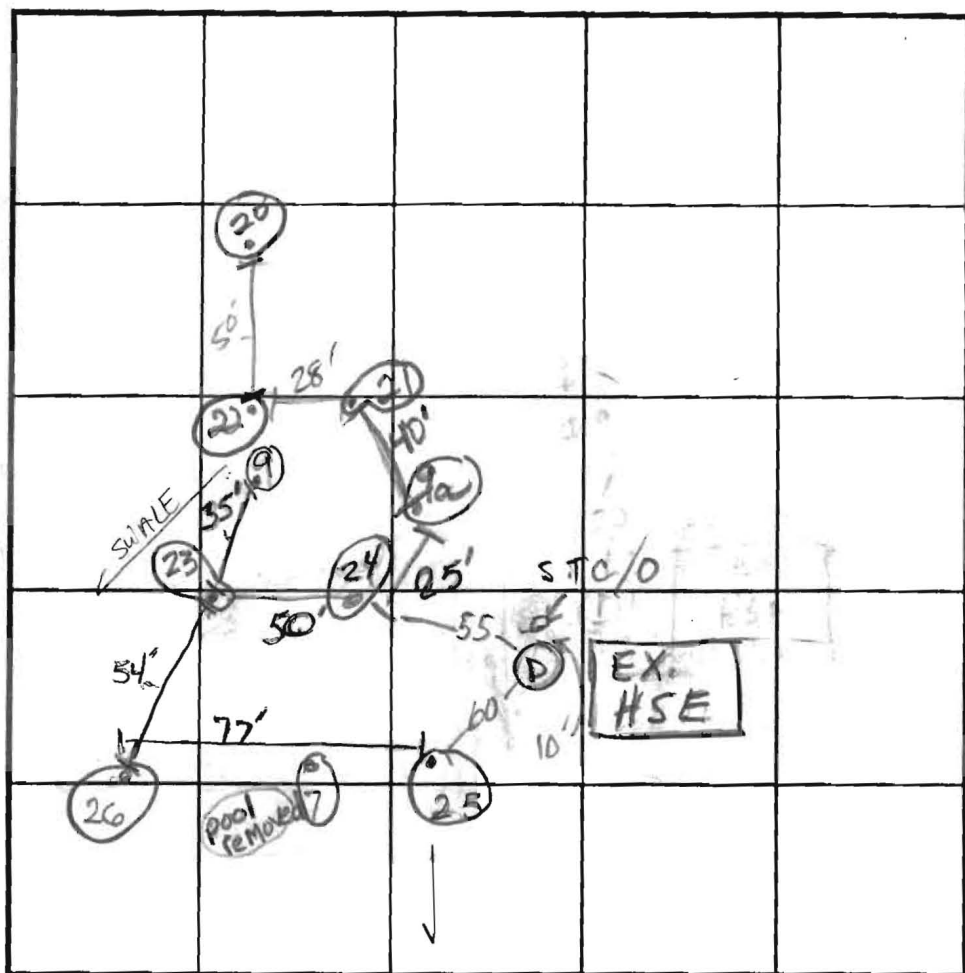
Soil  
Types  
like  
#25  
Rock  
Frag  
~35%  
larger  
frag  
water  
Bottom

12 1/2'  
13'

(23/24)

I.S.  
Micaceous  
Sand  
lt beige  
lt brn  
white  
Rock  
frag  
~35%

Refusal



SOIL PROFILE

0'  
3'  
5-6'  
10'

FILL  
brn  
heavy  
loam  
brn  
loam

SOUTH NORTH

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
RT 144

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11-16-01	(25)	5 1/2' S	2:00	2:21 pulled	1/2"	~ 20 min		
		13' B	No buffer zone					Fail
	(26)	Indications of saturated soil @ 8 1/2'						
		5 3/4' / 13	NO PERC H <sub>2</sub> O @ 12 1/2'					Fail
	D	10'	VISUAL - BUT STAY 25' UPHILL					
	(23)	10'	HARD BOTTOM					Not ok
	(24)	SAME SOIL PROFILE AS 23 but 20-25% rock						
		11 1/2'	HARD BOTTOM					
	(21)	11 1/2'	HARD BOTTOM		25-35% Rock Frag			Fail
	(22)	12'	Refusal		Rock 35% - 40%			Fail

REMARKS #s 24, 23, 22, 21 Expected fast perc times < 2min. (MR)

TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Mark RIFKIN / Kacie Goedeking ALSO PRESENT Cindy DeLZoppo  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 7/25/01

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER 12118 Frederick Rd LLC <public water>

ADDRESS 12118 Frederick Rd PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelBopp

ADDRESS 14045 Jared Drive Glenwood MD PHONE 410-730-1074

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick Rd LOT NO. 2

ROAD AND DESCRIPTION Northside of Frederick Rd, west of Sand Hill

TAX MAP 14 PARCEL # 23

SIZE OF LOT 1.0e TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Cindy DelBopp  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

13

COUNTY #

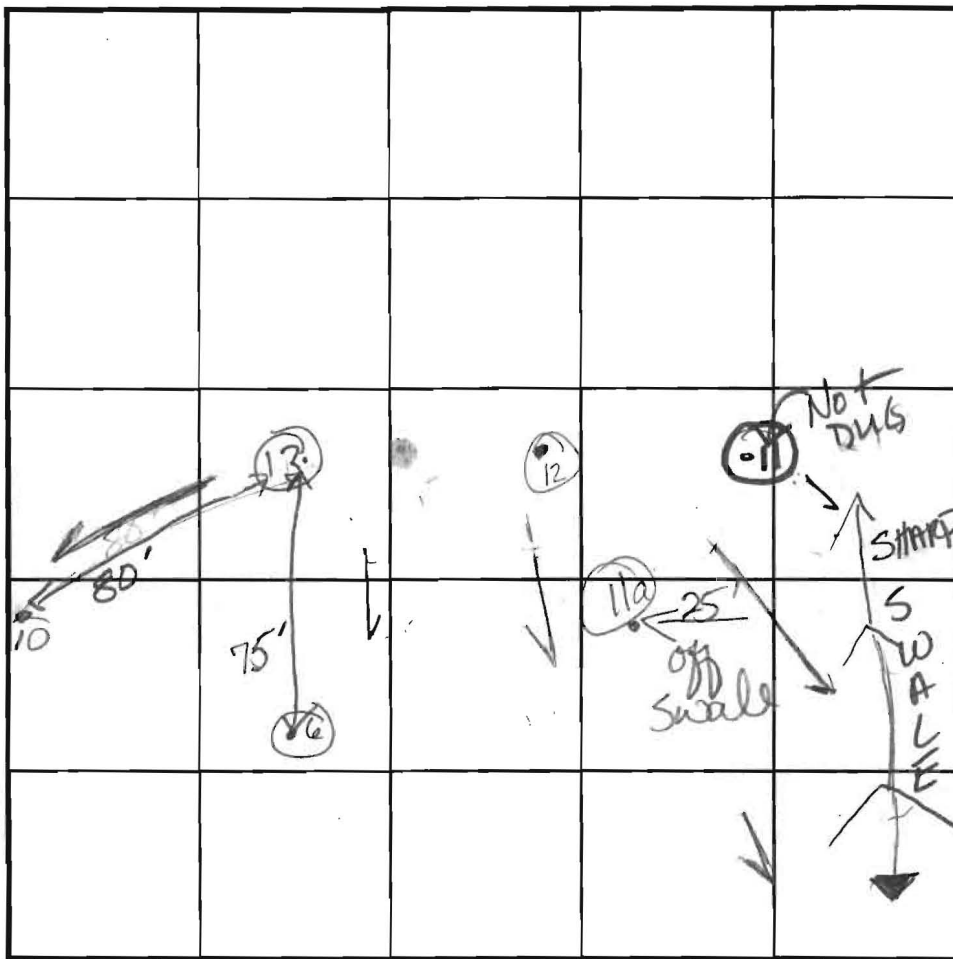
SOIL PROFILE

SOIL PROFILE

0'  
 T.S.  
 tan  
 brn  
 Si CLM  
 Rock 5-10%

4'  
 lt brn  
 dk beige  
 brn  
 Micaceous  
 S. Lm  
 Saprolite  
 Rock Frag  
 ~5%

13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

12' 11a  
 T.S.  
 brn lt brn  
 Si CLM

2 1/2'

Si  
 Lm  
 beige  
 brn  
 lt tan

12'  
 Bottom 10-15%

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-13-01	13	5'5"	11:15	11:21	11:21	11:32	11 min
		13'D	—————→				PASS
	12	4'6"5"	11:41 <sup>30</sup>	11:44	11:44	11:46 <sup>30</sup>	2 <sup>30</sup>
		12'D	—————→				PASS
	11a	VISUAL SEE SOIL PROFILE →					PASS
	11	Fail - too Close to Swale - NOT DUG					

REMARKS \* Saprolite micaceous, very brittle generous ants #13 ≥ 50%

TYPE OF SOIL \* #11 in SWALE → FAIL

TESTED BY Goedeking, K. ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

ALL HOLES BUT "11a" DUG PER PLAN

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 7/25/01

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER 12118 Frederick LLC < public water >

ADDRESS 12118 Frederick Rd. PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelZoppo

ADDRESS 14045 Grand Drive Glenwood MD PHONE 410-21738

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick Rd. LOT NO. 1

ROAD AND DESCRIPTION Northside of Frederick road, west of Sand Hill

TAX MAP 16 PARCEL # 23

SIZE OF LOT 1 ac TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Cindy DelZoppo  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

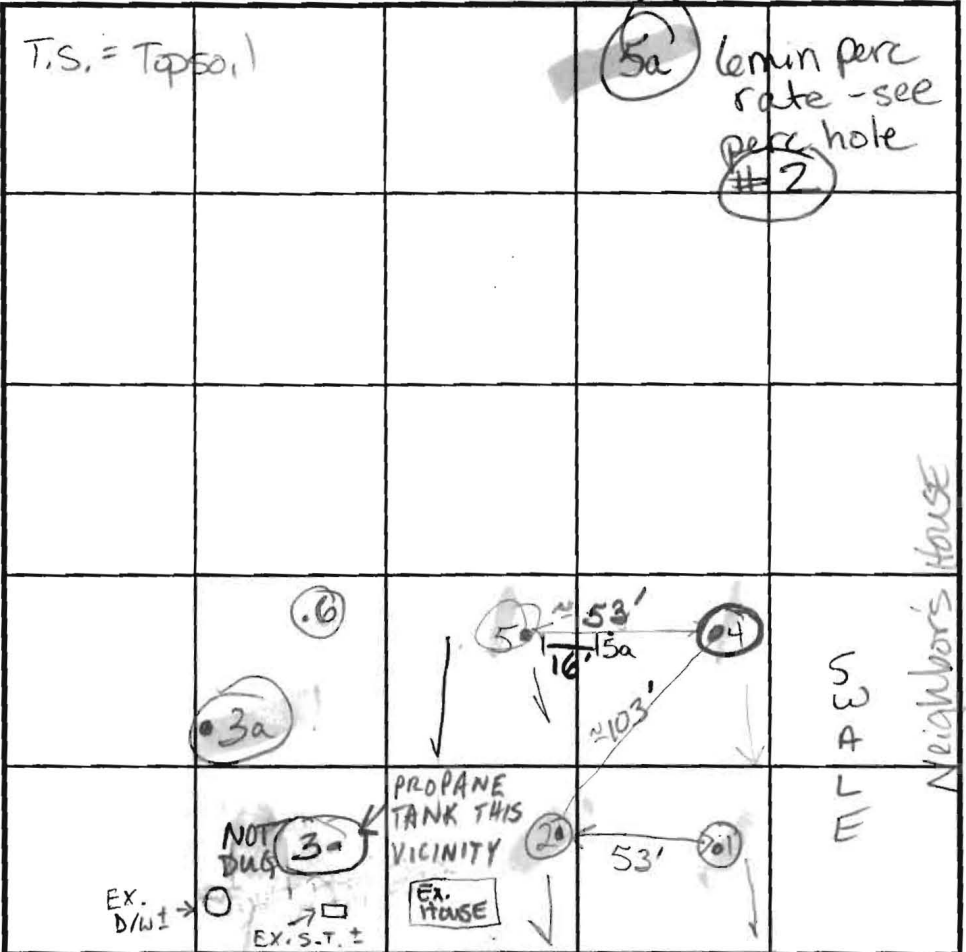
# THIS IS NOT A PERMIT

13

COUNTY #

SOIL PROFILE

0' **(1)**  
 T.S.  
 brn  
 Rdbrn  
 CL LM  
 <5% Rock  
 5-6'  
 brn  
 Ltbrn  
 off white  
 Micaceous  
 Si LM  
 10-20% Rock  
 14' Bottom



SOIL PROFILE

0' **(6)**  
 T.S.  
 brn  
 tan  
 beige  
 Micaceous  
 SA LM  
 Excessive  
 butte  
 micaceous  
 saponite  
 Rock Frag  
 <5%  
 14' Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(R.144) FREDERICK Road

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9-13-01	<b>(1)</b>	5'3" S	10:31 <sup>00</sup>	10:33	10:33	10:36	3 min	
		14' D	→					TIME PASSES BUT TOO CLOSE TO SWALE
	<b>(2)</b>	5'8" S	10:33	10:39	10:39	10:45	6 min	
		14'6" D	→					PASS
	<b>(4)</b>	5' S	10:50	11:25	11:25	Less than 1" in 30 min		
		14' D	→					Fail
	<b>(6)</b>	4' S	11:02	11:03	11:03	11:04	7 min	
	repair	4' S	11:05 <sup>00</sup>	11:06 <sup>50</sup>	11:06 <sup>50</sup>	11:09	2.8 min	
		14' D	→					
	<b>(3a)</b>	4'10" S 12' D	3:38 <sup>40</sup>	3:41 <sup>30</sup>	3:41 <sup>30</sup>	3:45 <sup>15</sup>	4 min 15 sec	

REMARKS #4 - 10' off swale #3 Not dug - poss propane tank?  
 REMARKS #3 not tested utilities not marked, poss propane tank CLOSE AGGRES.  
 TESTED BY Goedeking ALSO PRESENT Mike Johnson DOB  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

ALL HOLES BUT "3A" DUG PER PLAN

5-6'  
 14'  
 6'  
 14'  
 5 1/2-6'  
 14'

**(2) (5a)**  
 T.S.  
 tan  
 org brn  
 Si CL  
 LM  
 Rock <5%  
 Micaceous  
 loam  
 DK Brn  
 beige  
 S Aprotite  
 10-15%  
 Rock <5%  
 Bottom

**(4)**  
 T.S.  
 org  
 tan  
 brn  
 dk brn  
 Si CL  
 LM  
 dk brn  
 brn  
 gray  
 Micaceous  
 SA CL  
 LM  
 Rock <5%  
 Bottom

# APPLICATION

PERCOLATION TESTING

A 515955

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE 7/25/01

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER 12118 Frederick Rd. LLC *(public water)*

ADDRESS 12118 Frederick Rd. PHONE 410-730-1074

AGENT OR PROSPECTIVE BUYER Northridge Development LLC - Cindy DelZoppo

ADDRESS 14045 Gared Drive Glenwood, MD PHONE 410-730-1074

PROPERTY LOCATION:

SUBDIVISION 12118 Frederick Rd. LOT NO. Preservation Parcel A

ROAD AND DESCRIPTION North<sup>side</sup>ridge of Frederick Rd. West of Sand Hill

TAX MAP 16 PARCEL # 23

SIZE OF LOT 4.0 ± AC TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Cindy DelZoppo  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

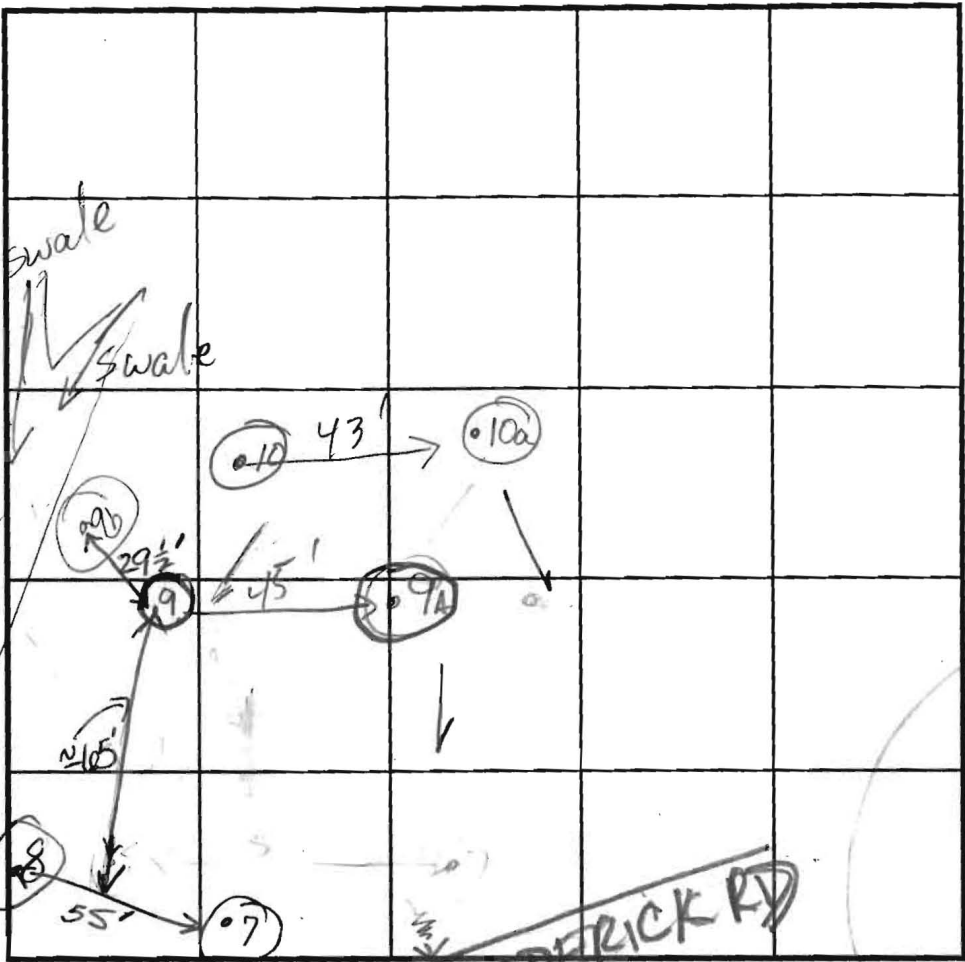
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

13  
COUNTY #

SOIL PROFILE

0'  
⑩  
T.S.  
Micaceous  
Si Lm  
brn  
lt brn  
Rock Frag  
<5%  
Saprolite  
@ 25-300'  
Bottom



SOIL PROFILE

0'

INDICATE NORTH - NAME OF DRAINING ROADWAY AS BASE LINE.

Rock  
Pocket  
ON  
SW  
SIDEWALK  
8 1/2'  
lt brn  
Si Lm  
15-25%  
Big Frags Rock  
Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-13-01	10	4 1/4' S 13 1/10" D	11:31 <sup>15</sup>	11:53 <sup>20</sup>	11:33 <sup>20</sup>	11:35 <sup>30</sup>	~2min
	9	Fail / Refusal @ 5'					→
	8	5' S 12 D	1:59 <sup>45</sup>	2:01 <sup>00</sup>	2:01 <sup>00</sup>	2:04	3min → PASS
	7	5' S 12 D	2:02	2:05	2:05	2:10	5min → PASS
	9A	Fail / Refusal @ 16'					→ Fail
	10A	SEE SOIL PROFILE # 6 12' D					PASS →

⑦  
T.S.  
Red brn  
Micaceous  
CL Lm  
Rock <5%  
DK brn  
brn  
Loam  
Rock  
Frag <5%  
Bottom

REMARKS \* Saprolite - micaceous, brittle  
TYPE OF SOIL SAP - manganese & translucent sheets of cleavage (mica)  
TESTED BY Goedeking, K ALSO PRESENT Mike Johnson  
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

ALL HOLES BUT "9A, 9B," & "10a" DUG PER PLAN.

# APPLICATION

PERCOLATION TESTING

A 516955

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Dietz/Shifflet Property LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 12118 Frederick Rd

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

13

COUNTY #

SOIL PROFILE

0' ~~20~~  
 T.S. 4 1/2'  
 micaceous sand beige  
 Hbrn  
 v.fr. micaceous structured saprolite  
 +Rx  
 25-35%  
 13' Refusal  
 (A)

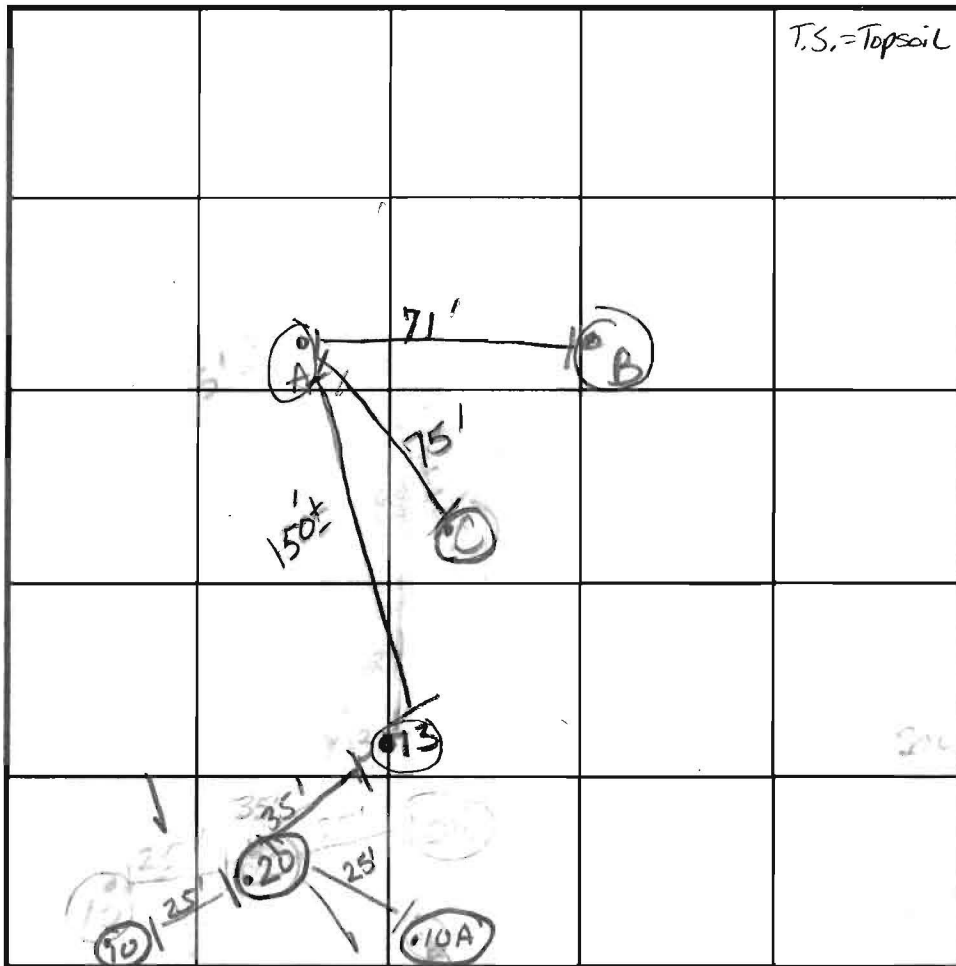
T.S.  
 Micaceous SAND Lm  
 lt tan brn beige  
 15-20% Rock  
 scattered packets @  
 25%  
 11 1/2' Refusal  
 (B)

T.S.  
 Hvy SLM  
 tan brn 2 1/2'  
 SLM  
 15% Rock  
 11 1/2' Refusal

T.S. = Topsoil

SOIL PROFILE

0' ~~20~~  
 T.S.  
 micaceous brn black strong brn SAND  
 (Weak)  
 20-25% Saprolite  
 10' Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11-16-01	20	4 1/2' S	2:37 <sup>20</sup>	2:55	2:55	3:28	33 min
	*	13' Bottom, possibly hard					?
	A	4 1/2' S	3:36 <sup>00</sup>	3:37 <sup>40</sup>	3:37 <sup>40</sup>	3:40 <sup>00</sup>	2 1/2 min
		1 1/2' Refusal					OK
	B	Visual					OK
		11 1/2' Hard Bottom					
	*20	2nd shelf @ 7'					OK
			3:56 <sup>25</sup>	3:58 <sup>10</sup>	3:58 <sup>10</sup>	4:00 <sup>30</sup>	2 <sup>20</sup> min
	C	Visual 10' Bottom					OK

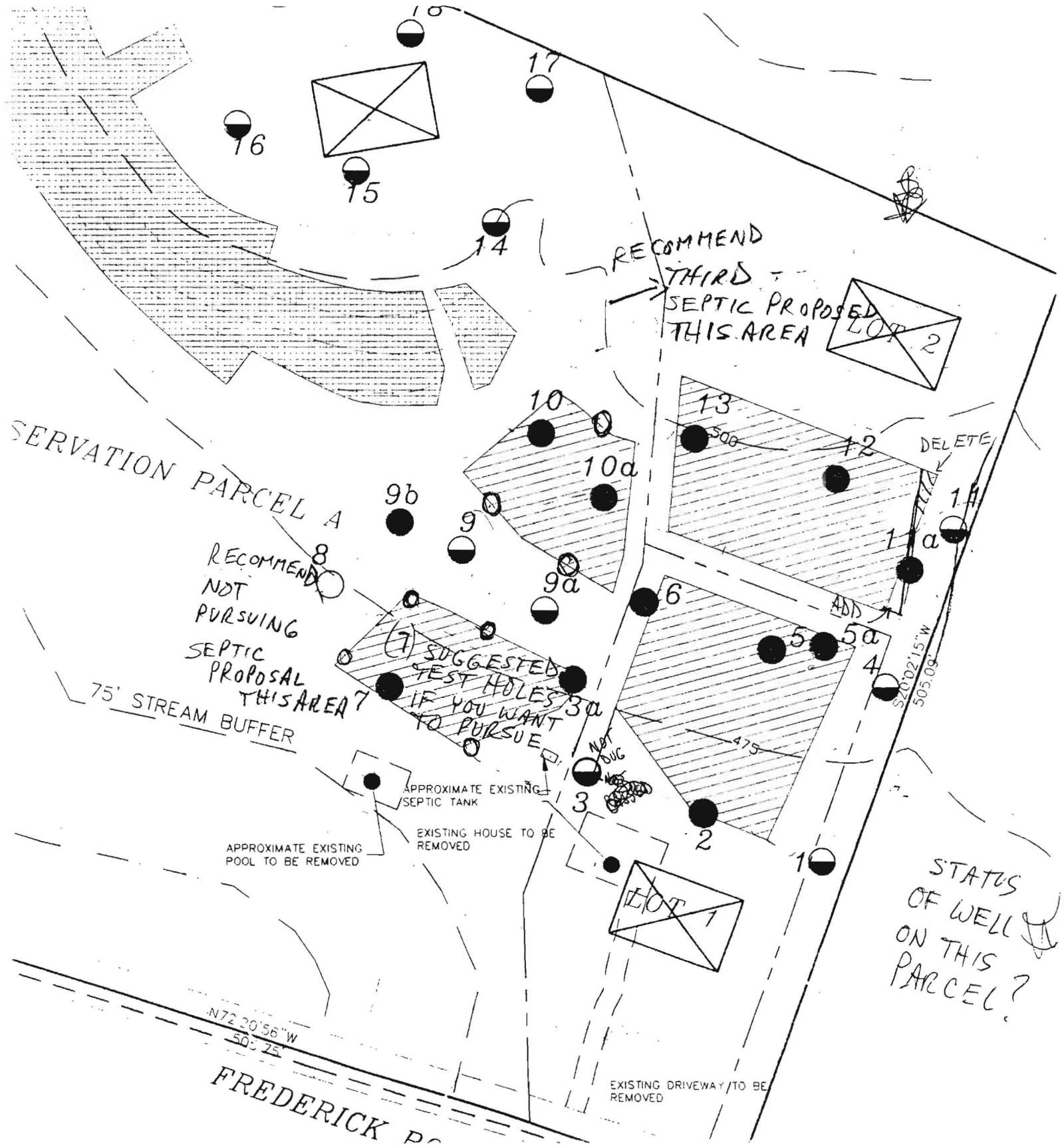
REMARKS Holes 20, A, B, & C NOT PER PLAN

TYPE OF SOIL

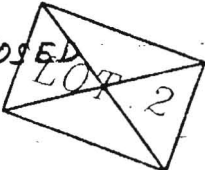
TESTED BY Mark RIFKIN / Kacie Goedeking ALSO PRESENT Cindy DelZoppo

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM



RECOMMEND  
THIRD -  
SEPTIC PROPOSED  
THIS AREA



DELETE

SERVATION PARCEL A

RECOMMEND  
NOT  
PURSUING  
SEPTIC  
PROPOSAL  
THIS AREA

75' STREAM BUFFER

APPROXIMATE EXISTING  
SEPTIC TANK

APPROXIMATE EXISTING  
POOL TO BE REMOVED

EXISTING HOUSE TO BE  
REMOVED

EXISTING DRIVEWAY TO BE  
REMOVED

STATUS  
OF WELL  
ON THIS  
PARCEL?

N72°30'56"W  
505.25

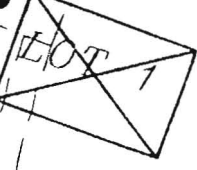
FREDERICK RD

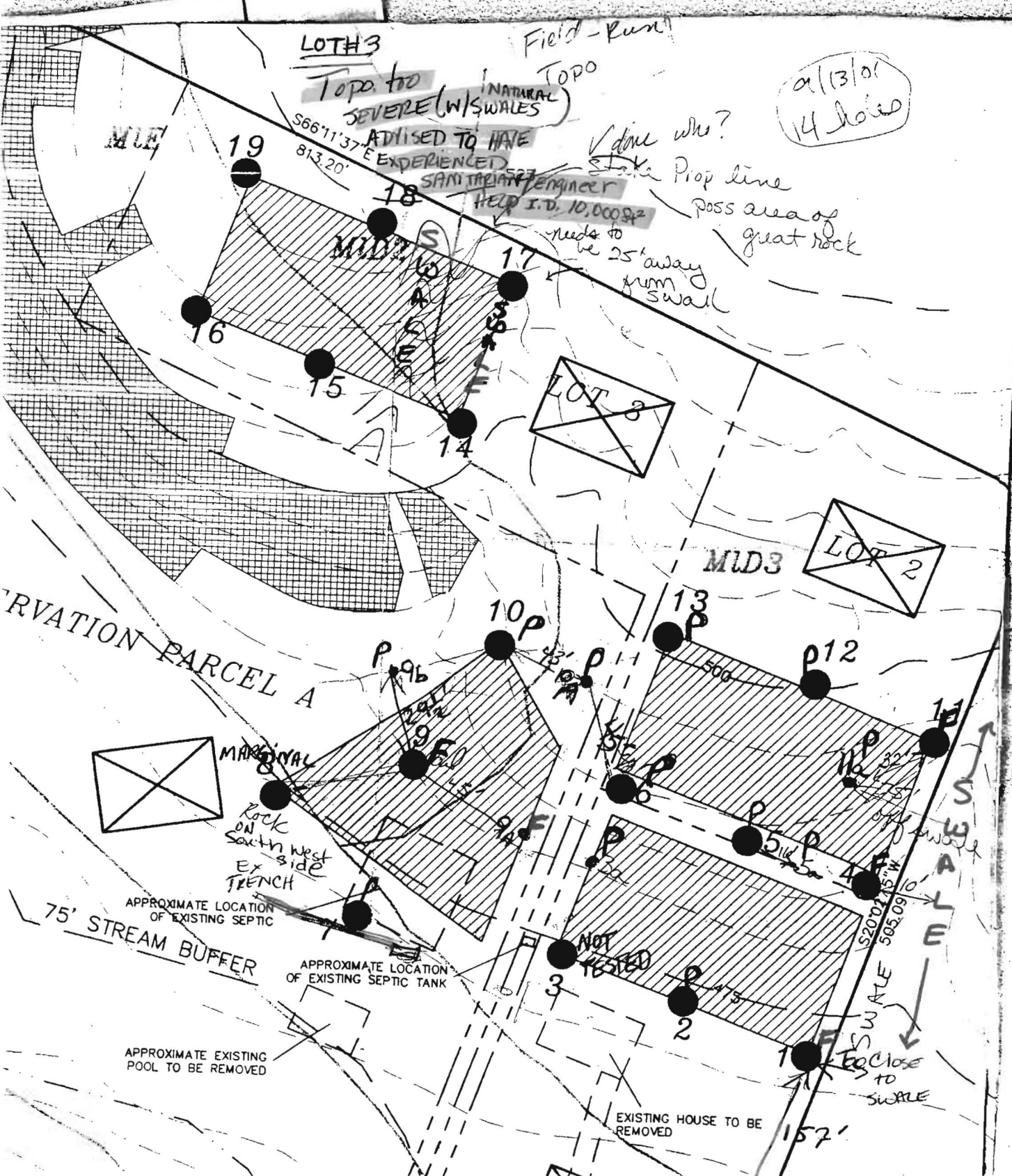
S20°02'15"W  
505.09

ADD

(7) SUGGESTED  
TEST HOLES  
IF YOU WANT  
TO PURSUE

NOT  
BUG





LOTH3

Field - Run! TOPO

9/13/01  
14 holes

Topo. to SEVERE (W/SWALES)

ADVISOR TO HAVE EXPERIENCED SANITARIAN ENGINEER HELP I.D. 10,000 sq ft

done who? Stake  
Prop line  
Poss area of great rock  
Needs to be 25' away from swale

RESERVATION PARCEL A

MARGINAL  
Rock on South West side EX side TRENCH

75' STREAM BUFFER  
APPROXIMATE LOCATION OF EXISTING SEPTIC

APPROXIMATE LOCATION OF EXISTING SEPTIC TANK

APPROXIMATE EXISTING POOL TO BE REMOVED

EXISTING HOUSE TO BE REMOVED

SWALE  
Close to SWALE

F = FAIL  
P = PASS

HOLES 9, 9A REFUSAL @ 5', 6' respectively

To Road



## HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health  
3525-H Ellicott Mills Drive, Ellicott City, Maryland 21043-4544  
(410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

*Penny E. Borenstein, M.D., M.P.H., Acting County Health Officer*

\*\*\*\*\*FAX TRANSMISSION\*\*\*\*\*

April 29, 2002

Cindy DelZoppo  
Northridge Development  
14045 Gared Drive  
Glenwood, MD 21738

RE: Percolation Certification Plan  
Proposed three-lot subdivision  
12118 Frederick Road  
Tax Map: 16 Parcel: 23

Dear Ms. DelZoppo:

The percolation certification plan recently submitted for review is approved. As a friendly reminder, proper abandonment for the existing septic tank is necessary before approval of building permit applications. The Percolation Certification Plan is signed and ready for pick-up.

Please call 410-313-2669 when you receive the transmittal.

Sincerely,

Kacie Goedeking, Sanitarian  
Water and Sewerage Program



---

## HOWARD COUNTY HEALTH DEPARTMENT

---

*Diane L. Matuszak, M.D., M.P.H., County Health Officer*

October 15, 2001

Cindy DelZoppo  
14045 Gared Drive  
Glenwood, Md. 21738

RE: Percolation test results: A 516955

Purpose: Subdivision

Property ID: 12118 Frederick Road Tax Map: 16 Parcel #: 23

Dear Ms. DelZoppo:

Percolation testing conducted on Friday September 14, 2001 on the above referenced property indicated limited satisfactory soil conditions. Holes numbered 1, 4, and 11 are less than 25 feet from the centerline of a swale, however, hole 11a was identified 25 feet from the center line of the swale with a passing percolation rate. Lot three has severe topographical features (swales and possible excessive rock) which may make the required identification of 10,000 square feet difficult or improbable. A possible solution may be to identify another 10,000 square foot easement on lot 2, thus placing homes on the west side of parcel #23.

On preservation parcel A, because test hole #8 contained excessive rock fragments, any sewage easement should be 25 feet away. Percolation holes 9 and 9a revealed excessive rock/refusal at shallow depths. Enclosed are copies of the percolation notes.

Further review is contingent upon submission of a percolation certification plan by a licensed surveyor. This plan must include the following:

- actual locations and elevations of all recently excavated test holes
- identify the passed test holes and failed test holes
- new boundaries of the revised septic areas
- suitable house locations
- field matched contour lines at 2-foot intervals
- locations of any wells or septic systems on adjacent properties within 100 feet of the property boundaries
- shaded areas that indicate slopes that are greater than 25%

---

Bureau of Environmental Health

3525-H Ellicott Mills Drive • Ellicott City, Maryland 21043-4544

Water and Sewerage, Permits (410) 313-1771 Community Environmental Health Program (410) 313-1773  
(410) 313-2640 TDD(410) 313-2323 TOLL FREE - 1-877-4MD-DHMH

The plan should be submitted within sixty (60) days to allow field verification if necessary. Please find copies of the percolation test notes enclosed. If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-2640. Thank you in advance for your time and cooperation.

Respectfully,

Kacie Goedeking, Sanitarian.  
Water and Sewerage Program

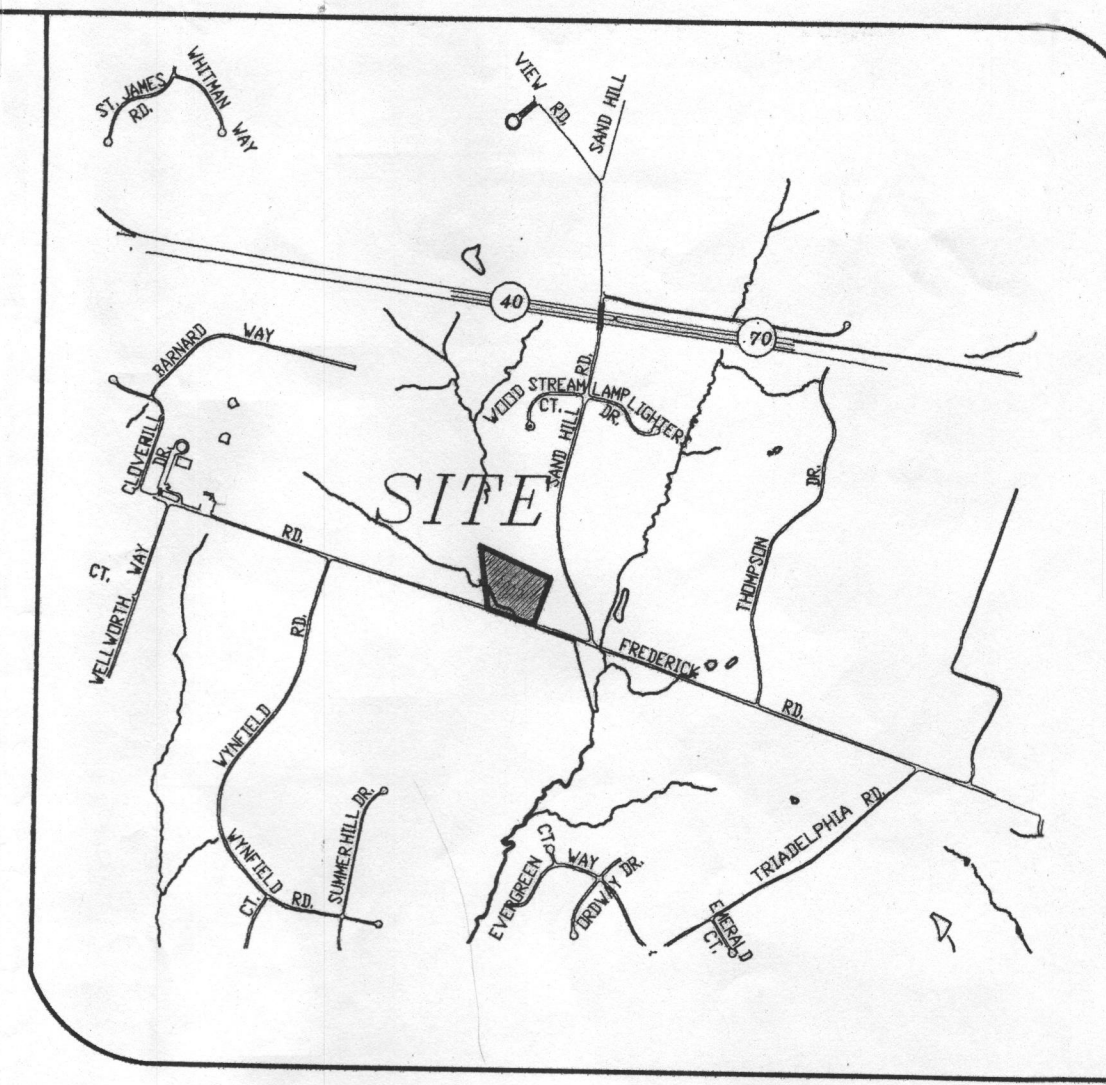
KG  
cc: file

date	MAR. 2002	engineering	approval	RH
project	01-035	illustration	scale	1"=60'
no.	SAA	no.	SAA	

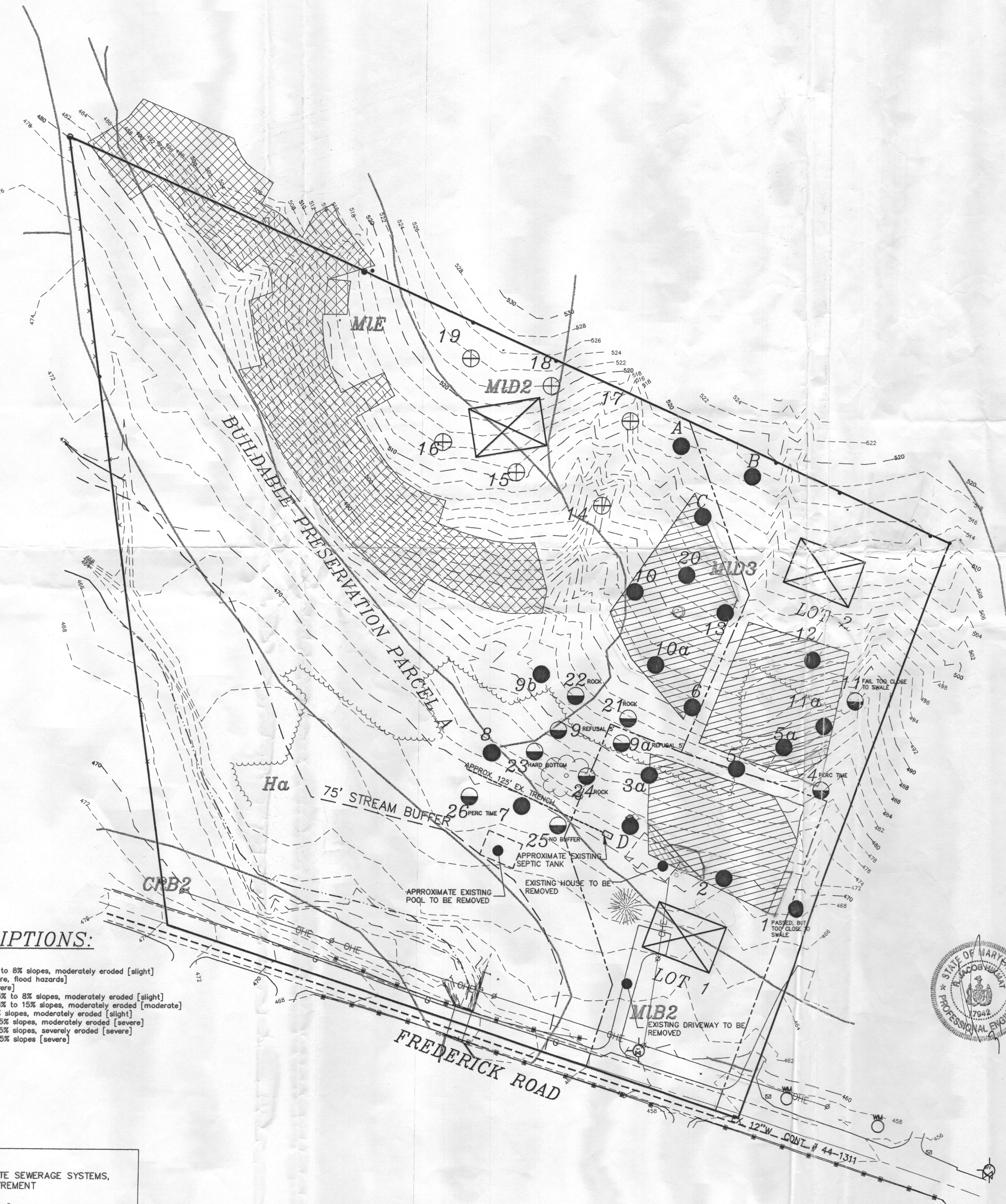
date	MAR. 2002	description	revisions
no.			

12118 FREDERICK ROAD  
 TAX MAP 16, PARCEL 23  
 HOWARD COUNTY  
 ELECTION DISTRICT 3  
 PERCOLATION CERTIFICATION PLAT

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0296 Bal. (301) 821-5521 Wash. (410) 987-0288 Fax.



**VICINITY MAP**  
 SCALE: 1"=2000'



**GENERAL NOTES:**

- SUBJECT PROPERTY ZONED RC-DE0 PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
- BOUNDARY SHOWN HEREON IS BASED ON DEED INFORMATION.
- SITE LOCATION :  
 TAX MAP 16, PARCEL 23  
 DEED REFERENCE ; 5216/0310  
 SITE AREA : 8.14 ACRES ±
- ON SITE TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY CONDUCTED BY MILDENBERG, BOENDER & ASSOCIATES, INC. ON OR ABOUT FEB. 2002.
- BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 8.
- PRIVATE SEWERAGE WILL BE UTILIZED.
- PUBLIC WATER WILL BE UTILIZED UNDER CONTRACT # 44-1311
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- ALL SEPTIC SYSTEMS WITHIN 100' OF THE PROPERTY ARE SHOWN.

**SOILS DESCRIPTIONS:**

SYMBOL	DESCRIPTION
ChB2	Chester silt loam, 3% to 8% slopes, moderately eroded [slight]
Cs	Comus silt loam [severe, flood hazards]
Ha	Haltom silt loam [severe]
MgB2	Manor gravelly loam, 3% to 8% slopes, moderately eroded [slight]
MgC2	Manor gravelly loam, 8% to 15% slopes, moderately eroded [moderate]
MIB2	Manor loam, 3% to 8% slopes, moderately eroded [slight]
MID2	Manor loam, 15% to 25% slopes, moderately eroded [severe]
MID3	Manor loam, 15% to 25% slopes, severely eroded [severe]
MIE	Manor loam, 25% to 45% slopes [severe]

**LEGEND**

- ⊕ NOT TESTED
- PASSED PERC HOLE
- ◐ FAILED PERC HOLE
- MARGINAL PERC HOLE
- ⊙ WATER METER
- ▨ STEEP SLOPES GREATER THAN 25%

**OWNER**

12118 FREDERICK L.L.C.  
 12118 FREDERICK ROAD  
 ELLICOTT CITY, MD 21042  
 (410) 531-2634



APPROVED: PUBLIC  
 FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Penny Boender M.P.E. 4-29-02  
 HOWARD COUNTY HEALTH OFFICER DATE